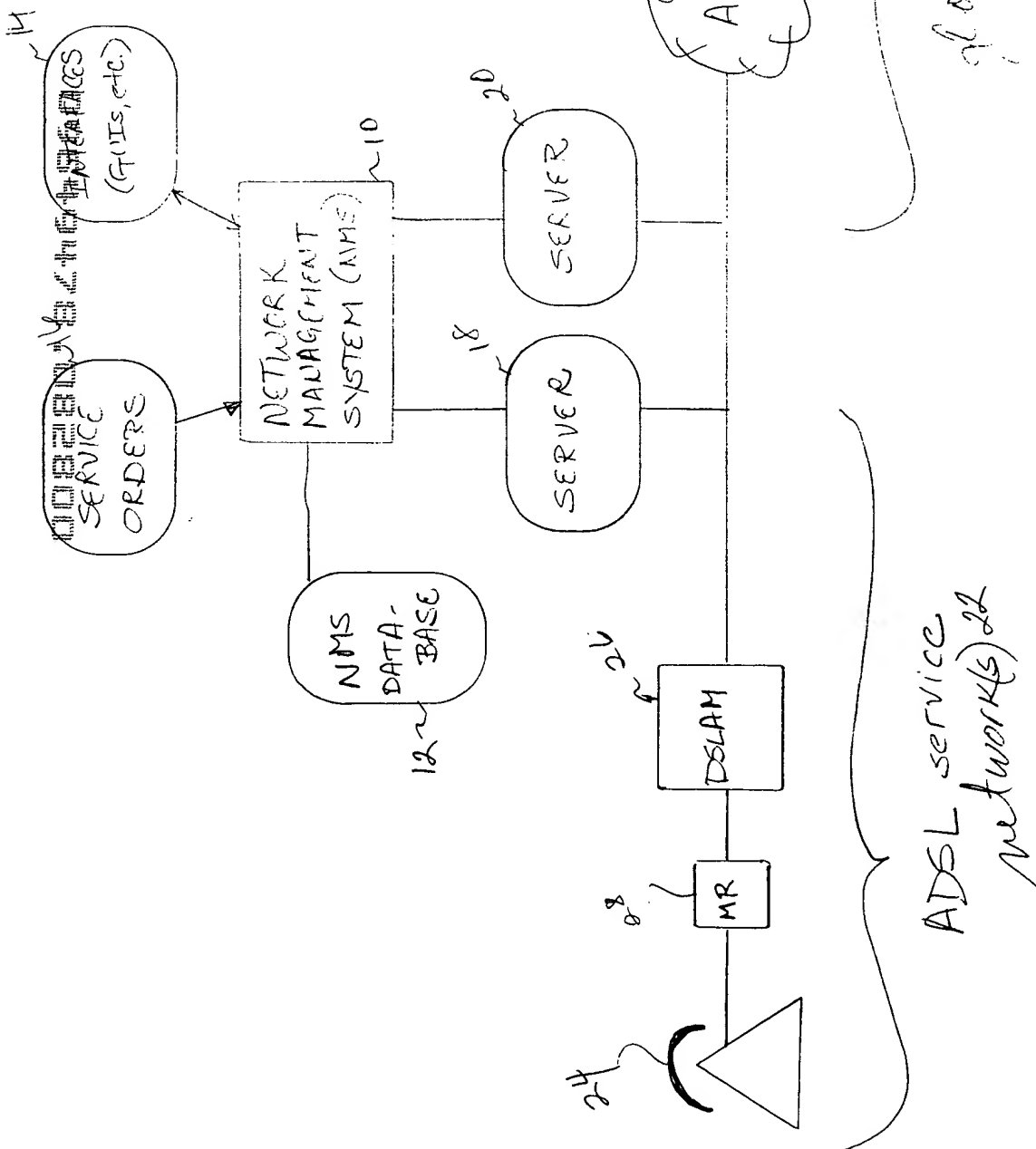


Fig 1

BEST AVAILABLE COPY



NETWORK CREATION IN THE NMS DATABASE

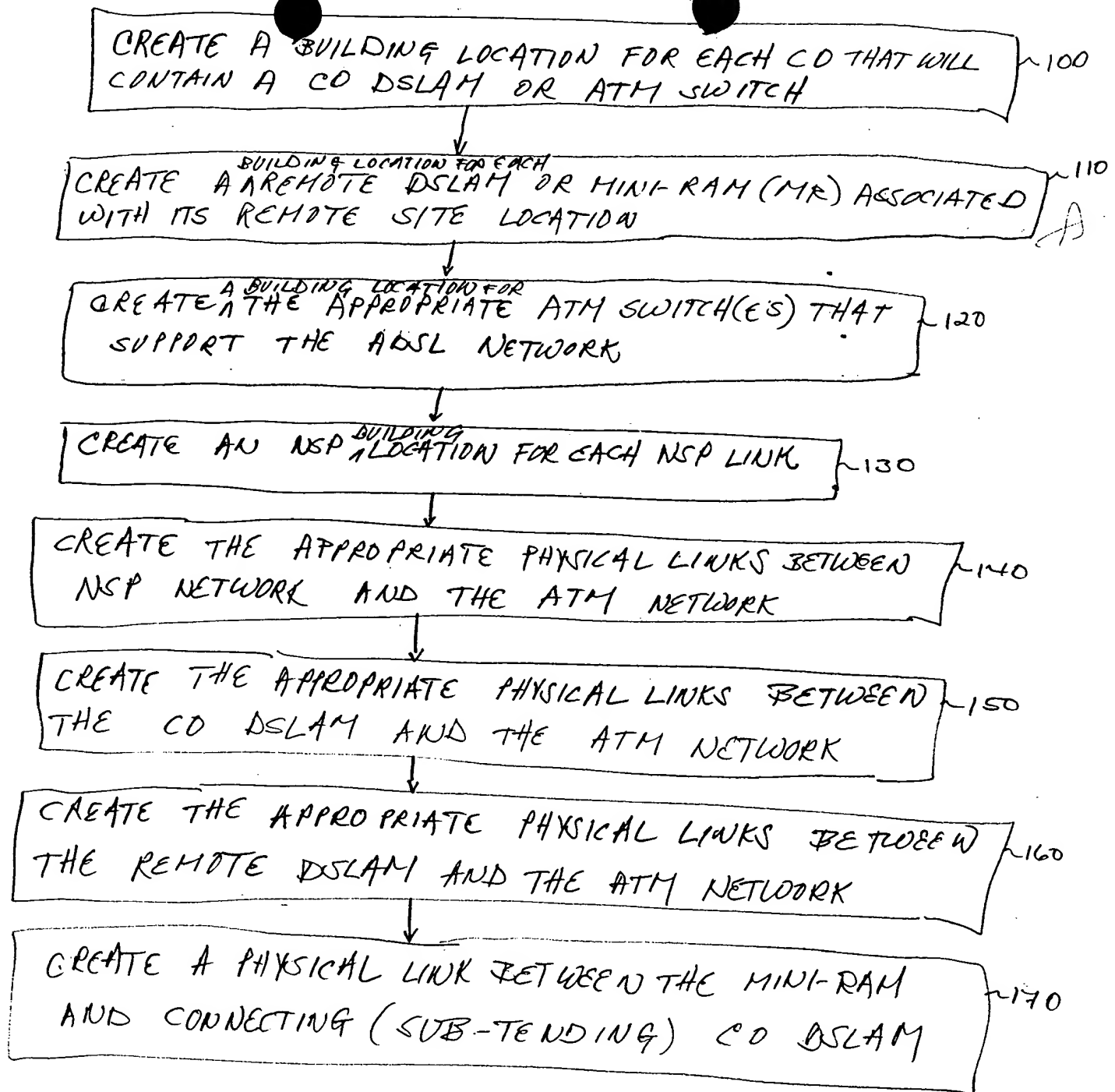


Fig. 2

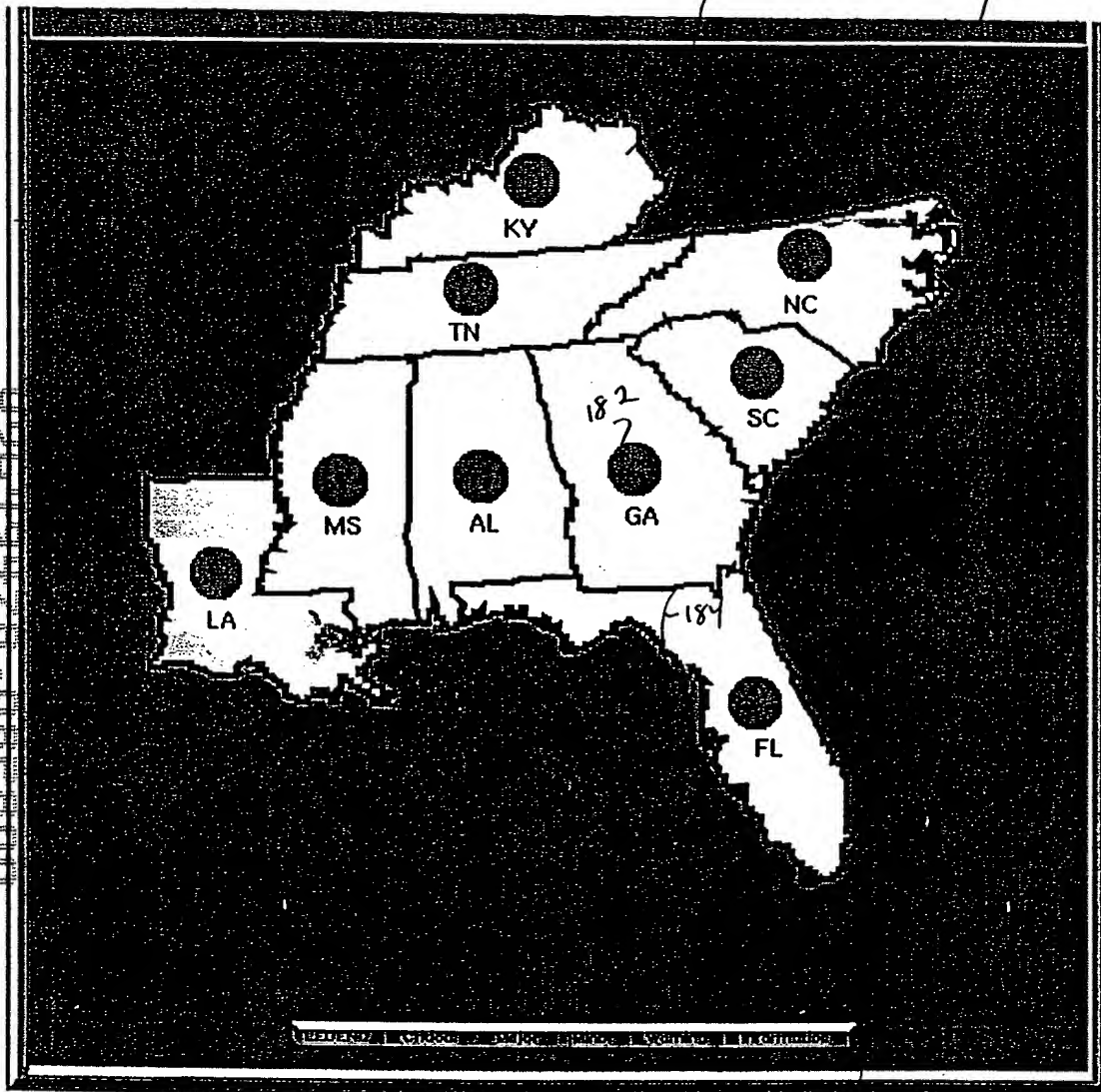


Fig. 3A

The image shows a computer terminal screen with a dark background and a light-colored border. At the top, the text "State: Georgia" is displayed. Below this, the title "LATALIST" is centered. A list of names is shown in a table-like format with a vertical scrollbar on the right. The visible names are Hilberg, Foster, Olson, and Swergh. The terminal is part of a larger machine, with a circular hole visible at the top center.

State: Georgia	
LATALIST	
Hilberg	
Foster	
Olson	
Swergh	

The screenshot shows the 'Atlanta' configuration window in the NetLab 2.0 software. The window has a title bar with 'Atlanta' and a standard Windows-style menu bar (File, Edit, View, Format, Tools, Window, Help). Below the menu bar is a toolbar with icons for various functions. The main area of the window is titled 'LATA: Atlanta' and contains three columns of configuration options: 'Building Location', 'ISP Location', and 'Corporate LAN'. Each column has a list of entries, with the first entry in each column being highlighted. The 'Building Location' column lists 'STINGRAY', 'STINGRAY2', 'STINGRAY3', 'STINGRAY4', 'STINGRAY5', and 'STINGRAY6'. The 'ISP Location' column lists 'PCL-STINGRAY1', 'PCL-STINGRAY2', 'PCL-STINGRAY3', 'PCL-STINGRAY4', 'PCL-STINGRAY5', and 'PCL-STINGRAY6'. The 'Corporate LAN' column lists 'VLAN1', 'VLAN2', 'VLAN3', 'VLAN4', 'VLAN5', and 'VLAN6'. The window also has a 'Service' tab and a 'LATA: Atlanta' header.

Fig. 3C

[illegible]

Fig. 3F

008280" 82464960

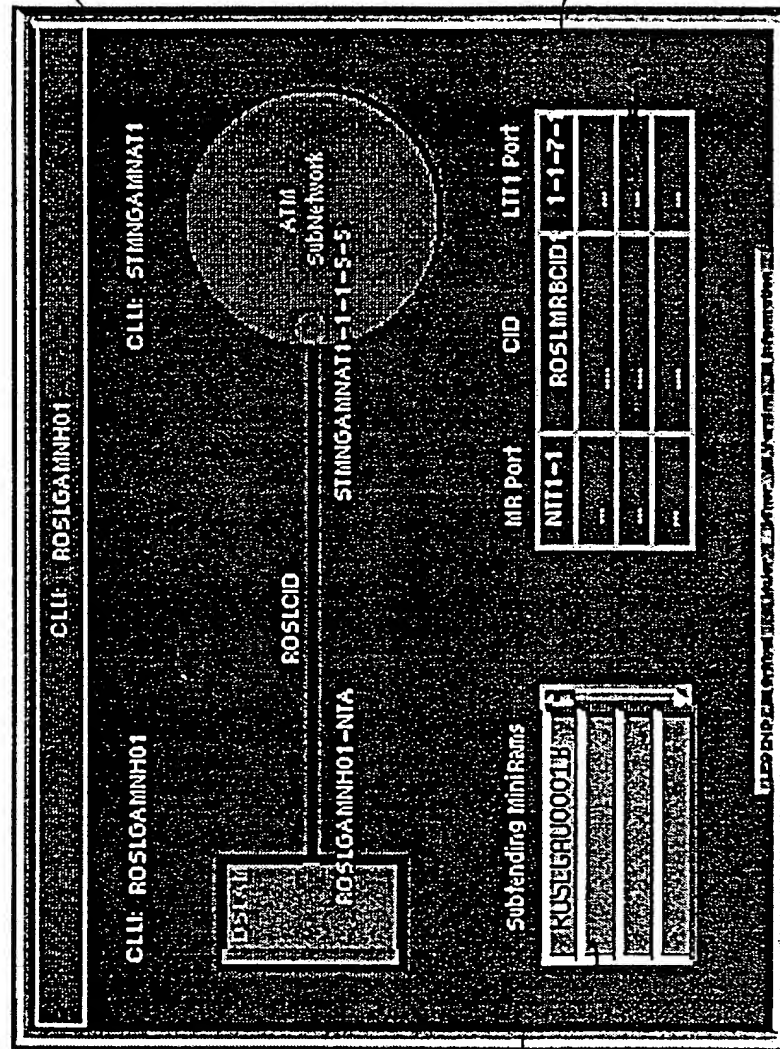


Fig. 3G

008280" 84464960

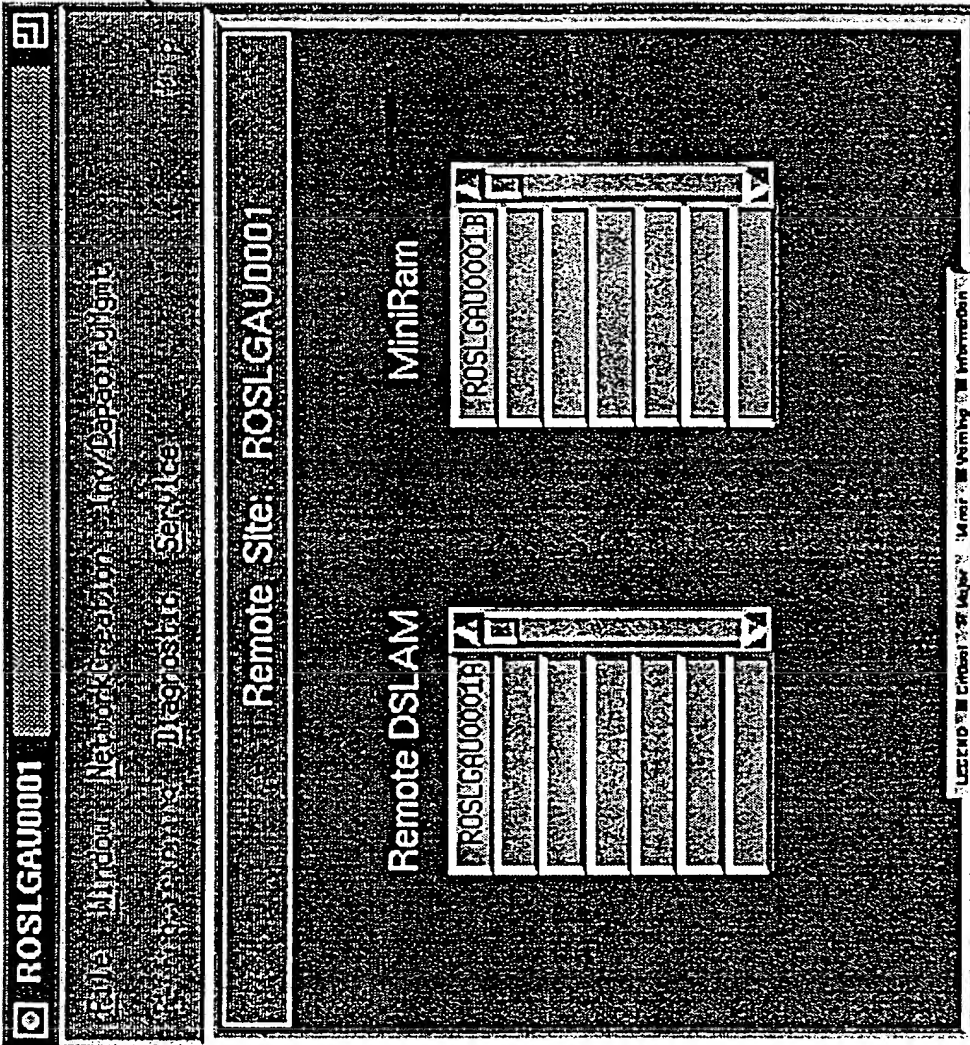


Fig 34

008280" 8464960

234

NetExpert Client Manager	
Options	Logout
Alert Display	Graphics Windows
Trouble Ticket	Managed Object Configuration
Report Mailer	Command Response
Inhibit Alerts	Paging
Gateway Control	Data Browser

236

Fig 3I

008280*8464960

One 2238

Alert Summary		
Display	Alert Window	Resources
Alert Total: 7		
Critical:	1	Acknowledged: 0
Major:	4	Unacknowledged: 7
Minor:	0	Acknowledged By You: 0
Warning:	2	Without Ticket: 7
Indeterminate:	0	With Ticket: 0

Fig 35

✓ 242

754

008280" 82464950

0822

319
319

<input type="checkbox"/> On-Line Advisor		<input type="button" value="Quit"/>	
Alert ID:	534		
Manager Class:	SQCS		
Manager:	ServiceOrderIn		
Affected Managed Object Class:	SQCS		
Affected Managed Object:	ServiceOrderIn		
<input type="checkbox"/> Fields <input checked="" type="checkbox"/> Causes and Actions <input type="checkbox"/> Events & Raw Data			
Severity:	Critical	Count:	146
Alert Type:	Transmission Alarm		
Problem Type:	Loss Of Signal		
Created:	07/08/88 16:20:03	Updated:	07/10/88 16:47:24
Acknowledged:			
By:			
Alert Description:	SQCS gateway is not responding		
Detail Description:			

003230" 84164960

250

Translate Port Name	
COSMOS Port:	Exchange Key:
LFACS Port:	Alcatel Port:
	Remote Site CLLI:
COSMOS/LFACS Port:	
Alcatel Port:	

Alcatel

4A
Key

000280" B4764960

252

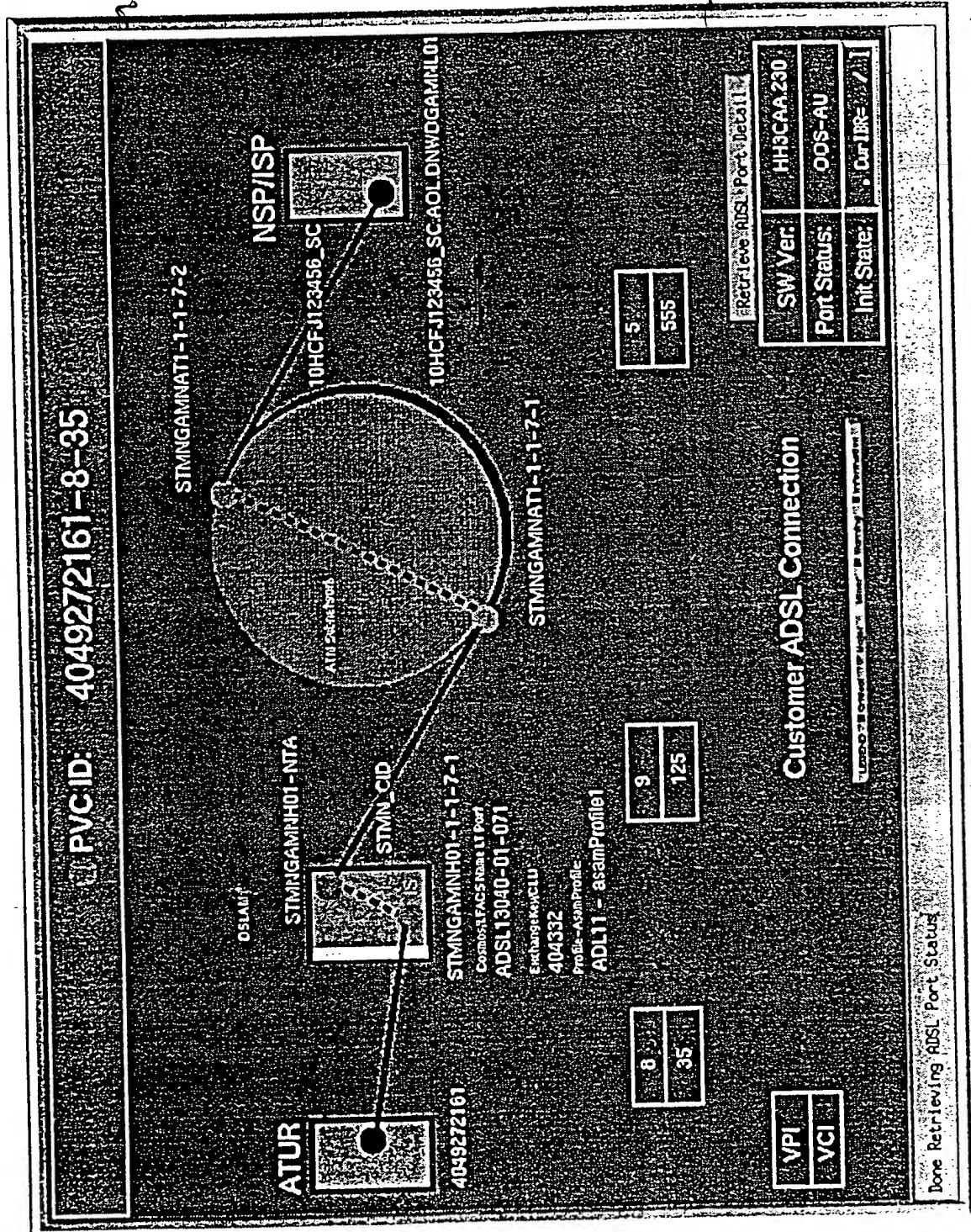
Diagnostic - Customer PVC

Customer ID:

PVC ID:

Fig 4B

008280-8464960



008230" 84464960

PVC ID: 222770001-8-35

MR Port CD LIT1 Port

MTI-1	RW.DSLA	1-1-7-1
MTI-2	RW.DSLA	1-1-7-2
MTI-3	RW.DSLA	1-1-7-3
MTI-4	RW.DSLA	1-1-7-4

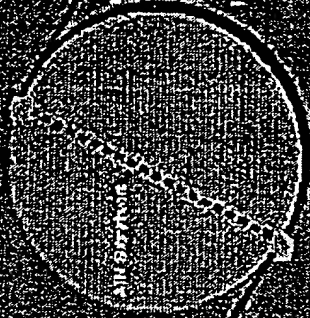
MINIRAM

DSLAM

FORCASHI-10A

ATUR

NSP/ISP



5	1019
---	------

ID	102
----	-----

5	35
---	----

YPI	VCI
-----	-----

Customer ADSL Connection

SW Ver:	HWCA-11
Port Status:	Port-A1
Init State:	Init State

Fig. 4D

008280" 84464960

Find Circuit Name

ATM Port + Vpi/Vci

CLLI:

Port: ▾

VPI:

VCI:

OK Close

~262

Fig 4E

0002280" B4464960

h264

Affected End Users by DSLAM or ATM Port

DSLAM or ATM Port

CLLI: STINGAMN01

Port: STINGAMN01-N1R

OK **Close**

Done Retrieving Customers for the Port

Fig. 4F

008280" 84464960

Affected End users of STMNGAMNH01-NTA

PVC ID ADSL Port ID Subscriber

4042920018-0-32	STMNGAMNH01-1-1-4-1	TEST: AD
4042920017-0-32	STMNGAMNH01-1-1-4-3	TEST: AD
4042920016-0-32	STMNGAMNH01-1-1-4-2	TEST: AD
4042920015-0-32	STMNGAMNH01-1-1-4-1	TEST: AD
4042920014-0-32	STMNGAMNH01-1-1-3-4	TEST: AD
4042920003-0-32	STMNGAMNH01-1-1-1-1	TEST: AD
4042920004-0-32	STMNGAMNH01-1-1-1-2	TEST: AD
4042920005-0-32	STMNGAMNH01-1-1-1-3	TEST: AD
4042920030-0-32	STMNGAMNH01-1-1-8-1	TEST: AD
4042920020-0-32	STMNGAMNH01-1-1-5-2	TEST: AD
4042920019-0-32	STMNGAMNH01-1-1-5-1	TEST: AD

Close

2266

Fig 46

008230" 8464960

89268

Affected End Users - by NSP CID

NSP CID:

OK

Close

H.B. 914

000200" 82164960

DSLAM/Miniram Assigned Port History

CLLI: **ROSLCAMNH01**

Date	CO-DSLAM	DSLAM-Subnetwork
04-02-1999	0	0
04-02-1999	0	0
04-02-1999	0	0
04-02-1999	0	0
04-02-1999	0	0
04-02-1999	0	0
04-02-1999	0	0
04-02-1999	0	0
04-02-1999	0	0

OK **Close**

Done getting Assigned Port History for the DSLAM - ROSLCAMNH01

270

Fig. 5A

008280" 84754960

Total Available and Assigned ADSL Ports - DSLAM

DSLAM CLI:

DSLAM

Total Available ADSL Ports:

Cross-connected ADSL Ports:

Port Availability Threshold:

Subnetwork

Subnetwork % Utilization:

Subnetwork % Utilization Threshold:

Subtending MiniRams

Name	PercentUtilization	ThsPercentUtilization
SWLDR01	0	30
R1WDR01	37	30
SWLDR01	0	30
R1WDR01	37	30
SWLDR01	0	30

Done Getting Capacities

272

Fig. 5B

002280" 84764960

4-24

2274

fig. 5C

Total Available and Assigned ADSL Ports—MiniRam	
Mini-Ram CLLI:	10000000
Total Available ADSL Ports:	10000000
Cross-connected ADSL Ports:	10000000
Saturation Threshold:	10000000
10000000	10000000
Data Center Capacity	

000000" 87464960

Capacity Management - Thresholds

Type of Equipment:

CO ISLAM

Ports:

576

Available Port Threshold:

50

Saturation Threshold:

50

%

OK

Close

More getting capacity for the ISLAM

2276

Fig. 5D

000280" 82464960

Capacity Management - DSLAM Thresholds

CLI:

Saturation Threshold:	<input type="text"/>	%	0 - To use Defaults
Saturation Threshold Alarm Inhibited:	<input type="text"/>	0 - Enabled	1 - Inhibited
Available Port Threshold:	<input type="text"/>	0 - To use Defaults	
Available Ports Alarm Inhibited:	<input type="text"/>	0 - Enabled	1 - Inhibited

278

Fig. 5E

008280" 8464960

DSLAM/MiniRam Port Inventory

CLI:

Inventory

Type	Cosmos/LFACS	Assigned	Status	Denied	Subtending
RWGNH01-1-1-1	Ads1	*****	*****	N	00S-AU
RWGNH01-1-1-2	Ads1	*****	*****	N	00S-AU
RWGNH01-1-1-3	Ads1	*****	*****	N	00S-AU
RWGNH01-1-1-4	Ads1	*****	*****	N	00S-AU
RWGNH01-1-2-1	Ads1	*****	*****	N	00S-ALPH
RWGNH01-1-2-2	Ads1	*****	*****	N	00S-ALPH
RWGNH01-1-2-3	Ads1	*****	*****	N	00S-ALPH
RWGNH01-1-2-4	Ads1	*****	*****	N	00S-ALPH

OK

Close

Completed Getting MiniRam Inventory

282

Fig 56

2284

elli:

RIVINGTON

Card	Type	SN Version	Vendor	Serial#	Status
1	PCMCIA	1.0	3Com	0000000000000000	OK
2	PCMCIA	1.0	3Com	0000000000000000	OK
3	PCMCIA	1.0	3Com	0000000000000000	OK
4	PCMCIA	1.0	3Com	0000000000000000	OK
5	PCMCIA	1.0	3Com	0000000000000000	OK
6	PCMCIA	1.0	3Com	0000000000000000	OK
7	PCMCIA	1.0	3Com	0000000000000000	OK
8	PCMCIA	1.0	3Com	0000000000000000	OK
9	PCMCIA	1.0	3Com	0000000000000000	OK
10	PCMCIA	1.0	3Com	0000000000000000	OK
11	PCMCIA	1.0	3Com	0000000000000000	OK
12	PCMCIA	1.0	3Com	0000000000000000	OK
13	PCMCIA	1.0	3Com	0000000000000000	OK
14	PCMCIA	1.0	3Com	0000000000000000	OK
15	PCMCIA	1.0	3Com	0000000000000000	OK
16	PCMCIA	1.0	3Com	0000000000000000	OK
17	PCMCIA	1.0	3Com	0000000000000000	OK
18	PCMCIA	1.0	3Com	0000000000000000	OK
19	PCMCIA	1.0	3Com	0000000000000000	OK
20	PCMCIA	1.0	3Com	0000000000000000	OK
21	PCMCIA	1.0	3Com	0000000000000000	OK
22	PCMCIA	1.0	3Com	0000000000000000	OK
23	PCMCIA	1.0	3Com	0000000000000000	OK
24	PCMCIA	1.0	3Com	0000000000000000	OK
25	PCMCIA	1.0	3Com	0000000000000000	OK
26	PCMCIA	1.0	3Com	0000000000000000	OK
27	PCMCIA	1.0	3Com	0000000000000000	OK
28	PCMCIA	1.0	3Com	0000000000000000	OK
29	PCMCIA	1.0	3Com	0000000000000000	OK
30	PCMCIA	1.0	3Com	0000000000000000	OK
31	PCMCIA	1.0	3Com	0000000000000000	OK
32	PCMCIA	1.0	3Com	0000000000000000	OK
33	PCMCIA	1.0	3Com	0000000000000000	OK
34	PCMCIA	1.0	3Com	0000000000000000	OK
35	PCMCIA	1.0	3Com	0000000000000000	OK
36	PCMCIA	1.0	3Com	0000000000000000	OK
37	PCMCIA	1.0	3Com	0000000000000000	OK
38	PCMCIA	1.0	3Com	0000000000000000	OK
39	PCMCIA	1.0	3Com	0000000000000000	OK
40	PCMCIA	1.0	3Com	0000000000000000	OK
41	PCMCIA	1.0	3Com	0000000000000000	OK
42	PCMCIA	1.0	3Com	0000000000000000	OK
43	PCMCIA	1.0	3Com	0000000000000000	OK
44	PCMCIA	1.0	3Com	0000000000000000	OK
45	PCMCIA	1.0	3Com	0000000000000000	OK
46	PCMCIA	1.0	3Com	0000000000000000	OK
47	PCMCIA	1.0	3Com	0000000000000000	OK
48	PCMCIA	1.0	3Com	0000000000000000	OK
49	PCMCIA	1.0	3Com	0000000000000000	OK
50	PCMCIA	1.0	3Com	0000000000000000	OK
51	PCMCIA	1.0	3Com	0000000000000000	OK
52	PCMCIA	1.0	3Com	0000000000000000	OK
53	PCMCIA	1.0	3Com	0000000000000000	OK
54	PCMCIA	1.0	3Com	0000000000000000	OK
55	PCMCIA	1.0	3Com	0000000000000000	OK
56	PCMCIA	1.0	3Com	0000000000000000	OK
57	PCMCIA	1.0	3Com	0000000000000000	OK
58	PCMCIA	1.0	3Com	0000000000000000	OK
59	PCMCIA	1.0	3Com	0000000000000000	OK
60	PCMCIA	1.0	3Com	0000000000000000	OK
61	PCMCIA	1.0	3Com	0000000000000000	OK
62	PCMCIA	1.0	3Com	0000000000000000	OK
63	PCMCIA	1.0	3Com	0000000000000000	OK
64	PCMCIA	1.0	3Com	0000000000000000	OK
65	PCMCIA	1.0	3Com	0000000000000000	OK
66	PCMCIA	1.0	3Com	0000000000000000	OK
67	PCMCIA	1.0	3Com	0000000000000000	OK
68	PCMCIA	1.0	3Com	0000000000000000	OK
69	PCMCIA	1.0	3Com	0000000000000000	OK
70	PCMCIA	1.0	3Com	0000000000000000	OK
71	PCMCIA	1.0	3Com	0000000000000000	OK
72	PCMCIA	1.0	3Com	0000000000000000	OK
73	PCMCIA	1.0	3Com	0000000000000000	OK
74	PCMCIA	1.0	3Com	0000000000000000	OK
75	PCMCIA	1.0	3Com	0000000000000000	OK
76	PCMCIA	1.0	3Com	0000000000000000	OK
77	PCMCIA	1.0	3Com	0000000000000000	OK
78	PCMCIA	1.0	3Com	0000000000000000	OK
79	PCMCIA	1.0	3Com	0000000000000000	OK
80	PCMCIA	1.0	3Com	0000000000000000	OK
81	PCMCIA	1.0	3Com	0000000000000000	OK
82	PCMCIA	1.0	3Com	0000000000000000	OK
83	PCMCIA	1.0	3Com	0000000000000000	OK
84	PCMCIA	1.0	3Com	0000000000000000	OK
85	PCMCIA	1.0	3Com	0000000000000000	OK
86	PCMCIA	1.0	3Com	0000000000000000	OK
87	PCMCIA	1.0	3Com	0000000000000000	OK
88	PCMCIA	1.0	3Com	0000000000000000	OK
89	PCMCIA	1.0	3Com	0000000000000000	OK
90	PCMCIA	1.0	3Com	0000000000000000	OK
91	PCMCIA	1.0	3Com	0000000000000000	OK
92	PCMCIA	1.0	3Com	0000000000000000	OK
93	PCMCIA	1.0	3Com	0000000000000000	OK
94	PCMCIA	1.0	3Com	0000000000000000	OK
95	PCMCIA	1.0	3Com	0000000000000000	OK
96	PCMCIA	1.0	3Com	0000000000000000	OK
97	PCMCIA	1.0	3Com	0000000000000000	OK
98	PCMCIA	1.0	3Com	0000000000000000	OK
99	PCMCIA	1.0	3Com	0000000000000000	OK
100	PCMCIA	1.0	3Com	0000000000000000	OK

PLWGNH 01-LL-12	ADULT FEM H3C06 210	NO. 3	983325106	15-10
PLWGNH 01-LL-12	ADULT FEM H3C06 314	NO. 1	983408651	15-10

UK

030

Completed by: Thos. H. In Ram Date: 11/10/00

for 5H

Add Bulk PVC

Old ATM Port Info

Old NSP CID:

New ATM Port Info

CLLI:

Rack:

Shelf:

Slot:

Port:

Optional Date and Time

Due Date: Time:

286

Fig. 6A

003280" 32464960

88

Edit Bulk PVC

Order Number:

Fig. 6B

008280" 82464960

Edit Bulk PVC : N01CID-0-0-0

Old ATM Port Info

Old NSP CID:

N01CID

New ATM Port Info

CLLI:

STMNAT1

Rack:

1

Shelf:

1

Slot:

5

Port:

7

Optional Date and Time

Due Date:

Time:

OK

Close

Done Retrieving < N01CID-0-0-0 > Bulk PVC Order

~290

Fig. 6C

003280" 84464960

2925

Delete Bulk PVC

Order Number:

Test order from list

OK

Close

by 6D

008280" 8/464960

A rectangular dialog box with a dark background and a light border. The title bar at the top contains the text "Restore Customer Service". Below the title bar, the text "Customer ID:" is followed by a rectangular input field. At the bottom of the dialog box, there are two buttons: "OK" on the left and "Close" on the right. A small icon is visible in the bottom-left corner of the dialog box.

296

Fig. 6F

A rectangular dialog box with a dark background and a light border. The title bar at the top contains the text "Deny Customer Service". Below the title bar, the text "Customer ID:" is followed by a rectangular input field. At the bottom of the dialog box, there are two buttons: "OK" on the left and "Close" on the right. A small icon is visible in the bottom-left corner of the dialog box.

294

Fig. 6E

Edit Pending Service Order

Service Order Header

Service Order:

CORTW01

Due Date:

19990206

Service Order Detail

4041110001-8-35-ser-1



Edit Service

OK

Close

298

299

Fig. 6F

003280-8464960

Edit Service Order Detail	
Editable Data	
Atur VPI:	81
Atur VCI:	35
COSMOS/LFACS: COSMOS <input checked="" type="checkbox"/>	
COSMOS/LFACS Port:	HPG11
Exchange Key/ CLLI:	RIWGANH01
NSP CID:	HCFJ123456ESC
NSP VPI:	21
NSP VCI:	201
Change USOC:	ADL11 <input checked="" type="checkbox"/>
Display Only Data	
ADSL Port:	UNKNOWN
COSMOS/LFACS:	LFACS <input checked="" type="checkbox"/>
USOC:	ADL12
[Back] [Cancel]	

300

Fig 6H

008280" 8464960

1302

Modify Customer Record Information

Customer ID:

Modifiable Fields:

Name:

Address:

ZIP Code:

Fig. 6T

008280" 8464960

304

Delete Service Order

SO Number:

Fig. 6J

003280" 82767960

306

Modify Customer Profile

Customer ID:

PVC ID:

Profile:

Fig. 6K

008280" 82464960

A rectangular dialog box with a dark background and a light border. The title bar at the top contains the text "Delete Physical Link". Below the title bar, the text "Circuit ID:" is followed by a horizontal text input field. At the bottom of the dialog, there are two buttons: "OK" on the left and "Close" on the right. A status bar at the very bottom is empty.

~308

Fig. 7A

A rectangular dialog box with a dark background and a light border. The title bar at the top contains the text "Delete NSP Location". Below the title bar, the text "NSP:" is followed by a horizontal text input field. Below that, the text "NSP CLI:" is followed by another horizontal text input field. To the right of the second input field is a small downward-pointing triangle icon. At the bottom of the dialog, there are two buttons: "OK" on the left and "Close" on the right. A status bar at the very bottom contains three small dots.

~310

Fig. 7B

008280" 8464950

Delete DSLAM/MiniRam

CLLI:

2312

Fig. 7C

Delete ATM Switch

CLLI:

2314

Fig. 7D

008280-82464960

A screenshot of a graphical user interface dialog box titled "Delete Remote Site". The dialog has a dark background with a light border. At the top, the title "Delete Remote Site" is displayed in a light-colored font. Below the title, the text "Remote Site CLI:" is followed by a rectangular input field. At the bottom of the dialog, there are two buttons: "OK" on the left and "Close" on the right. A small icon is visible in the bottom-left corner of the dialog's frame.

314

Fig 7E

A screenshot of a graphical user interface dialog box titled "Delete Building Location". The dialog has a dark background with a light border. At the top, the title "Delete Building Location" is displayed in a light-colored font. Below the title, the text "CLI:" is followed by a rectangular input field. At the bottom of the dialog, there are two buttons: "OK" on the left and "Close" on the right. A small icon is visible in the bottom-left corner of the dialog's frame.

318

Fig. 7F

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